IN THE CLAIMS:

Please cancel Claims 2, 3, 8 and 9 without prejudice or disclaimer of subject matter, and amend Claims 1, 7 and 12 as shown below. The claims, as pending in the subject application, read as follows:

1. (Currently Amended) A printing control apparatus for outputting print data and executing printing, comprising:

storage means, to which rendering instructions are input, for storing the rendering instructions page by page;

first rendering means for developing the rendering instructions of each scan line into multivalued bitmap data, and subjecting performing color processing of the multivalued bitmap data and converting the color processed multivalued bitmap data to color processing and n-value conversion processing n-valued bitmap data, wherein the number of bits associated with the multivalued bitmap data is greater than n;

second rendering means for subjecting the rendering instructions to color processing and n-value conversion processing color by color of processing of the color processed rendering instructions, storing the results in the form of an n-valued pattern, and performing rendering processing of the n-valued pattern of each scan line into n-valued data converted by the n-value conversion processing to generate n-valued bitmap data;

determining means for reading out <u>the</u> rendering instructions that have been stored in [[said]] <u>the</u> storage means and determining whether the rendering instructions include a rendering instruction other than <u>overwrite</u> <u>overwriting</u> for each scan line; and

control means for extracting edges of objects in the rendering instructions in each scan line and exercising control so as to cause [[said]] the first rendering means to [[form]] render the multivalued bitmap data between the edges if [[said]] the determining means determines that the rendering instructions include a rendering instruction other than the overwrite overwriting for a scan line, and to cause [[said]] the second rendering means to [[form]] generate the n-valued bitmap data if [[said]] the determining means determines that the rendering instructions do not include a rendering instruction other than the overwrite overwriting for the scan line,

wherein [[said]] <u>the</u> control means causes [[said]] <u>the</u> first rendering means or [[said]] <u>the</u> second rendering means to develop the rendering instructions into bitmap data line by line.

2. to 3. (Cancelled).

- 4. (Original) The apparatus according to claim 1, wherein said storage means sorts and stores entered rendering instructions, and said first and second rendering means read out and process the rendering instructions in the order in which they have been sorted and stored in said storage means.
- 5. (Original) The apparatus according to claim 4, wherein the sorting order is in a direction from the top to the bottom of a page.

- 6. (Original) The apparatus according to claim 1, wherein the value of n is 2.
- 7. (Currently Amended) A printing control method for outputting print data and executing printing, comprising:

a storage step of inputting rendering instructions and storing the rendering instructions in a memory page by page;

a first rendering step of developing the rendering instructions of each scan line into multivalued bitmap data, and subjecting performing color processing of the multivalued bitmap data and converting the color processed multivalued bit map data to color processing and n-value conversion processing n-valued bitmap data, wherein the number of bits associated with the multivalued bitmap data is greater than n;

a second rendering step of subjecting the rendering instructions to color processing and n-value conversion processing color by color of processing of the color processed rendering instructions, storing the results in the form of an n-valued pattern, and performing rendering processing of the n-valued pattern of each scan line into n-valued data converted by the n-value conversion processing to generate n-valued bitmap data;

a determining step of determining whether the rendering instructions that have been read out of the memory include a rendering instruction other than overwrite overwriting for each scan line; and

a control step of extracting edges of objects in the rendering instructions in each scan line and exercising control so as to cause [[said]] the first rendering step to [[form]] render the multivalued bitmap data between the edges if it is determined in

[[said]] the determining step that the rendering instructions include a rendering instruction other than the overwrite overwriting for a scan line, and to cause [[said]] the second rendering step to [[form]] generate the n-valued bitmap data if it is determined in [[said]] the determining step that the rendering instructions do not include a rendering instruction other than the overwrite overwriting for the scan line,

wherein [[said]] the control step includes causing execution of [[said]] the first rendering step or [[said]] the second rendering step to develop the rendering instructions line by line.

8. to 9. (Cancelled).

- 10. (Previously Presented) The method according to claim 7, wherein inputted rendering instructed are sorted and stored in the memory in said storage step, and the rendering instructions are read out and processed in said first and second rendering steps in the order in which they have been sorted and stored in the memory.
- 11. (Original) The method according to claim 10, wherein the sorting order is in a direction from the top to the bottom of a page.
- 12. (Currently Amended) A printer driver for receiving rendering instructions from an application, creating print data and outputting the print data to a printing apparatus, comprising:

storage means, to which rendering instructions are input from the application, for storing the rendering instructions in a memory page by page;

first rendering means for expanding <u>the</u> rendering instructions of each scan line, which rendering instructions have been stored in the memory, into multivalued bitmap data, <u>and subjecting performing color processing of</u> the multivalued bitmap data <u>and converting the color processed multivalued bitmap data</u> to <u>color processing and n-value conversion processing n-valued bitmap data</u>, wherein the number of bits associated with <u>the multivalued bitmap data is greater than n</u>;

second rendering means for subjecting the rendering instructions that have been stored in the memory to color processing and n-value conversion processing color by color of processing of the color processed rendering instructions, storing the results in the form of an n-valued pattern, and performing rendering processing of the n-valued pattern of each scan line into n-valued data converted by the n-value conversion processing to generate n-valued bitmap data;

determining means for reading out <u>the</u> rendering instructions that have been stored in the memory and determining whether the rendering instructions include a rendering instruction other than <u>overwrite</u> <u>overwriting</u> for each scan line; and

control means for extracting edges of objects in the rendering instructions in each scan line and exercising control so as to cause [[said]] the first rendering means to [[form]] render the multivalued bitmap data between the edges if [[said]] the determining means determines that the rendering instructions include a rendering instruction other than the overwrite overwriting for a scan line, and to cause [[said]] the second rendering means to [[form]] generate the n-valued bitmap data if [[said]] the determining means

determines that the rendering instructions do not include a rendering instruction other than the <u>overwrite overwriting</u> for the scan line,

wherein [[said]] <u>the</u> control means causes [[said]] <u>the</u> first rendering means or [[said]] <u>the</u> second rendering means to develop the rendering instructions into bitmap data line by line.

13. (Original) The printer driver according to claim 12, wherein said first rendering means includes:

means for generating multivalued bitmap data based upon the rendering instructions;

first color correcting means for performing a color correction of the multivalued bitmap data;

first color converting means for converting colors of the multivalued bitmap data that has been subjected to the color correction by said first color correcting means to multivalued bitmap data of another color space; and

n-value converting means for subjecting the multivalued bitmap data that has been subjected to the color conversion by said first color converting means to an n-value conversion.

14. (Original) A printer driver according to claim 12, wherein said second rendering means includes:

second color correcting means for correcting colors of an image included in the rendering instructions;

second color converting means for converting colors of the image that has been subjected to the color correction by said second color correcting means to colors of another color space;

image n-value converting means for subjecting the image data of the image that has been subjected to the color conversion by said second color converting means to an n-value conversion and creating an n-valued pattern; and

means for creating n-valued bitmap data based upon the n-valued pattern obtained by the n-value conversion performed by said image n-value converting means.